

IN THE CLAIMS:

Claim 1 (canceled).

Claim 2 (canceled).

Claim 3 (currently amended): A mist supply mechanism for a rotary tool for supplying a mist under pressure to a rotary tool (18) disposed around a rotating shaft (10), and implementing cooling and/or lubricating of the rotary tool (18) during workpiece-machining, wherein

the rotary tool (18), which is between ring-like spacers (20), is disposed around an outer circumference of a sleeve (16) with a required predetermined length circumferentially engaging the rotating shaft (10);

a plurality of ring-like spacers (20) are provided and said rotary tool (18) is located between said ring-like spacers (20);

a plurality of mist supply passages (38) are provided, said plurality of mist supply passages comprising passages perforated at perforating a cylindrical section of the sleeve (16) and extending in an axial direction, and having one end communicating with a rotary seal section (22) and the other end being closed as a closed-end section;

a plurality of passage ports (40) performing radially are provided axially along and radially perforate the cylindrical section of the sleeve (16) with one end of each of the passage ports (40) correspondingly communicating with the plurality of mist supply passages (38);

a mist circulation groove (20a) is provided on the ring-like spacers (20), with the other end of the plurality of passage ports (40) communicating with the mist circulation groove (20a), so that said mist circulation groove (20a) allows mist supplied from the plurality of passage ports (40) to flow to the rotary tool (18); and

the mist supplied from a mist supply source to the rotary seal section (22) is supplied to the rotary tool (18) through the plurality of mist supply passages (38), the plurality of passage ports (40) and the mist circulation groove (20a).

Claim 4 (canceled).

Claim 5 (canceled).